

Title (en)  
IMPAIRED ALLELES OF GENES INVOLVED IN METABOLIC PATHWAYS AND METHODS FOR DETECTING AND USING THE SAME

Title (de)  
BEEINTRÄCHTIGTE ALLELE VON AN STOFFWECHSELWEGEN BETEILIGTEN GENEN UND VERFAHREN ZUM NACHWEIS UND ZUR VERWENDUNG DAVON

Title (fr)  
ALLÈLES ALTÉRÉS DE GÈNES IMPLIQUÉS DANS LES VOIES MÉTABOLIQUES, ET LEURS PROCÉDÉS DE DÉTECTION ET D'UTILISATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2009121044A1] The invention is directed to enzyme variants, responsiveness thereof to cofactors, and in vivo assays for testing the activity of enzyme variants as well as the responsiveness thereof to cofactors.

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**WO 2009121044 A1 20091001**; **WO 2009121044 A8 20101104**; AU 2009228015 A1 20091001; BR PI0910097 A2 20151215; CA 2719733 A1 20091001; CN 102027134 A 20110420; EP 2276857 A1 20110126; EP 2276857 A4 20120125; IL 208456 A0 20101230; JP 2011519267 A 20110707; KR 20100134067 A 20101222; MX 2010010476 A 20101125; RU 2010143882 A 20120510; US 2009281061 A1 20091112

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